

Fig. 1

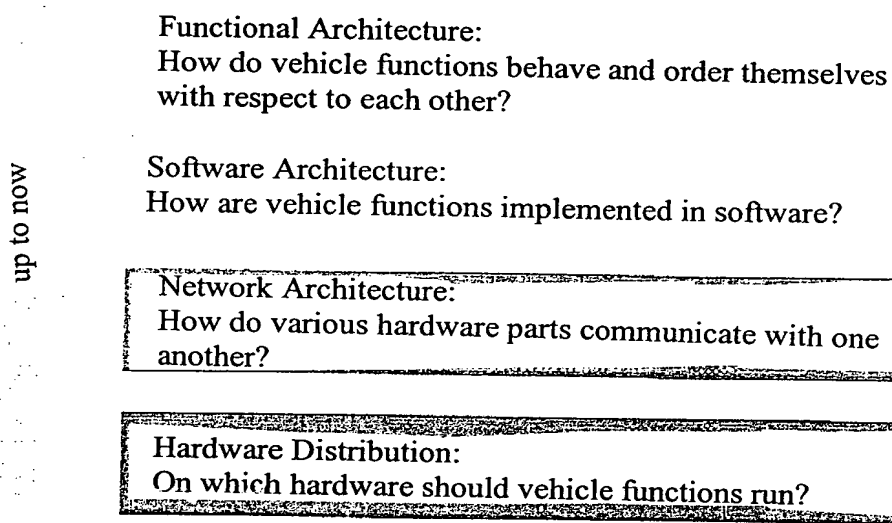


Fig. 2

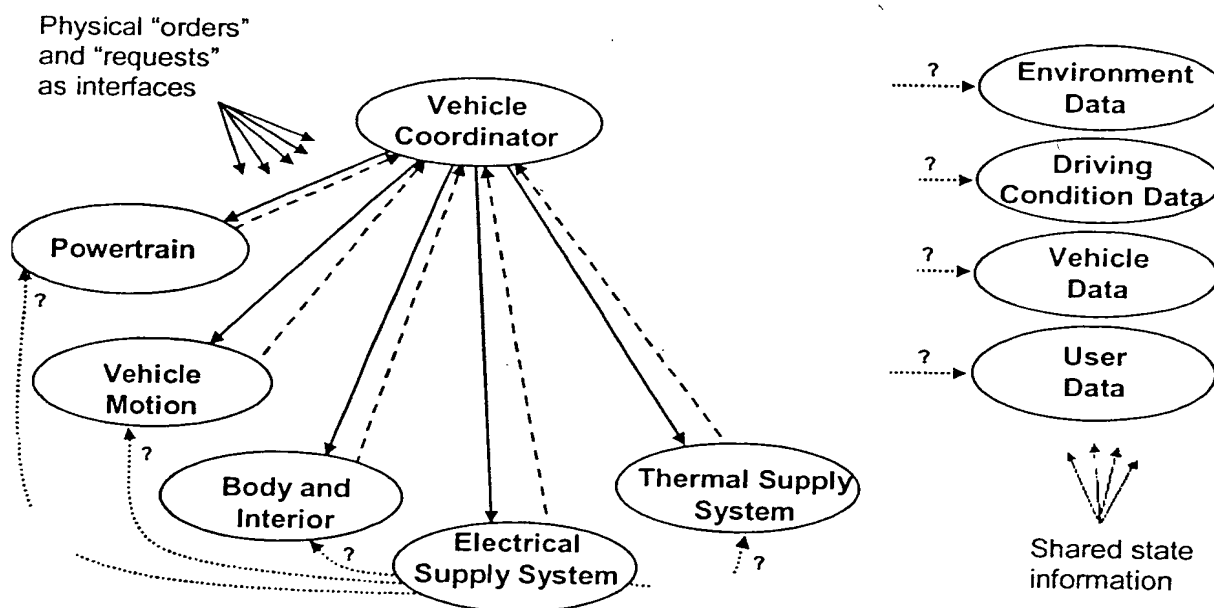


Fig. 3

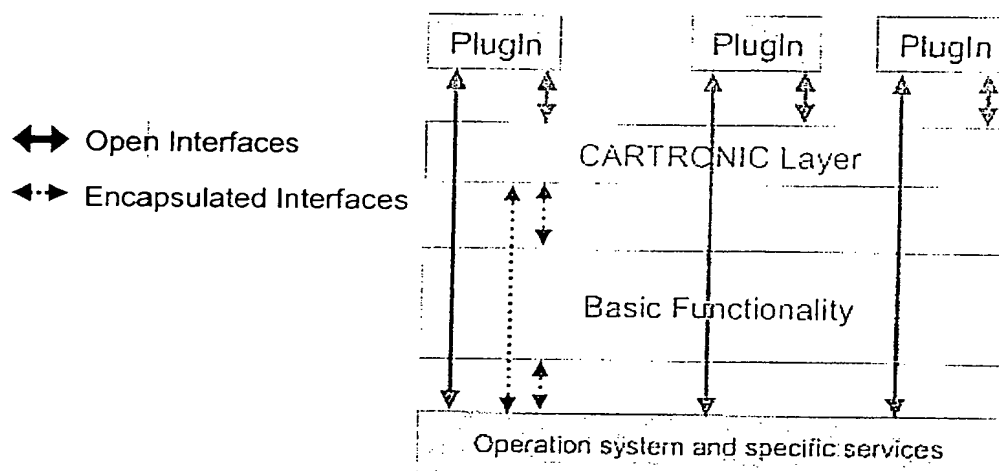


Fig. 4

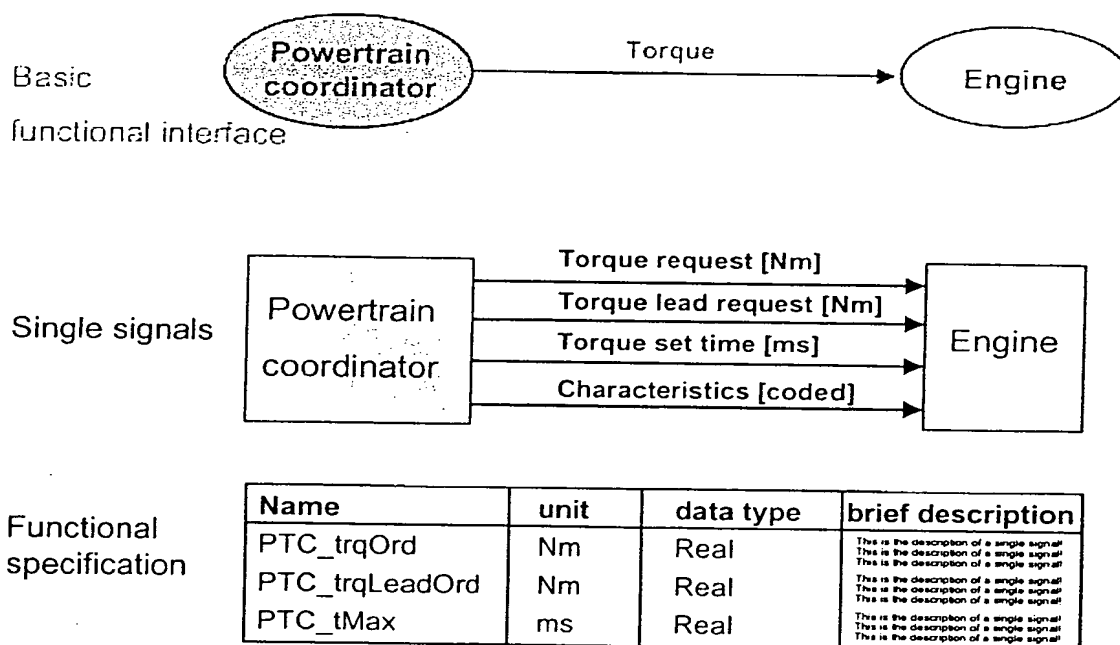


Fig. 5

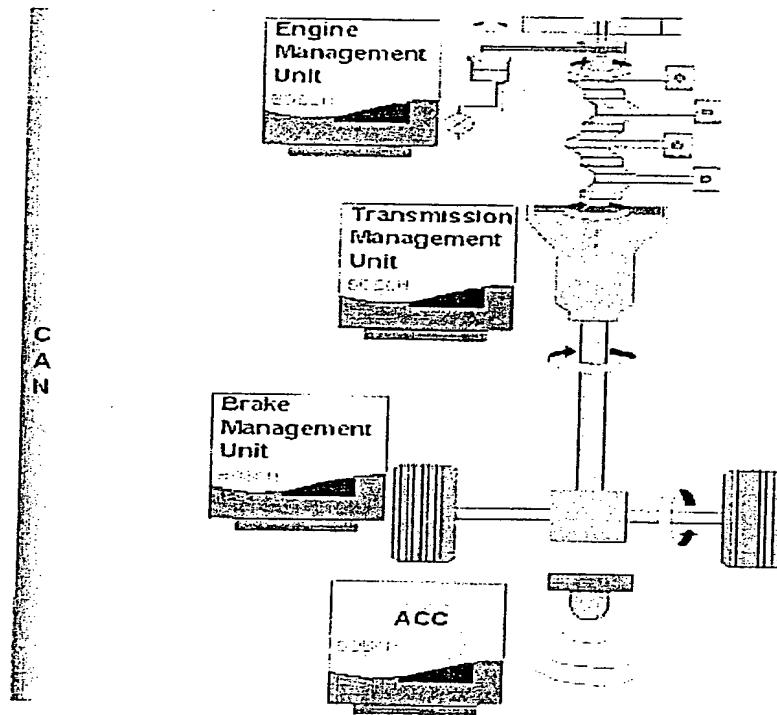


Fig. 6

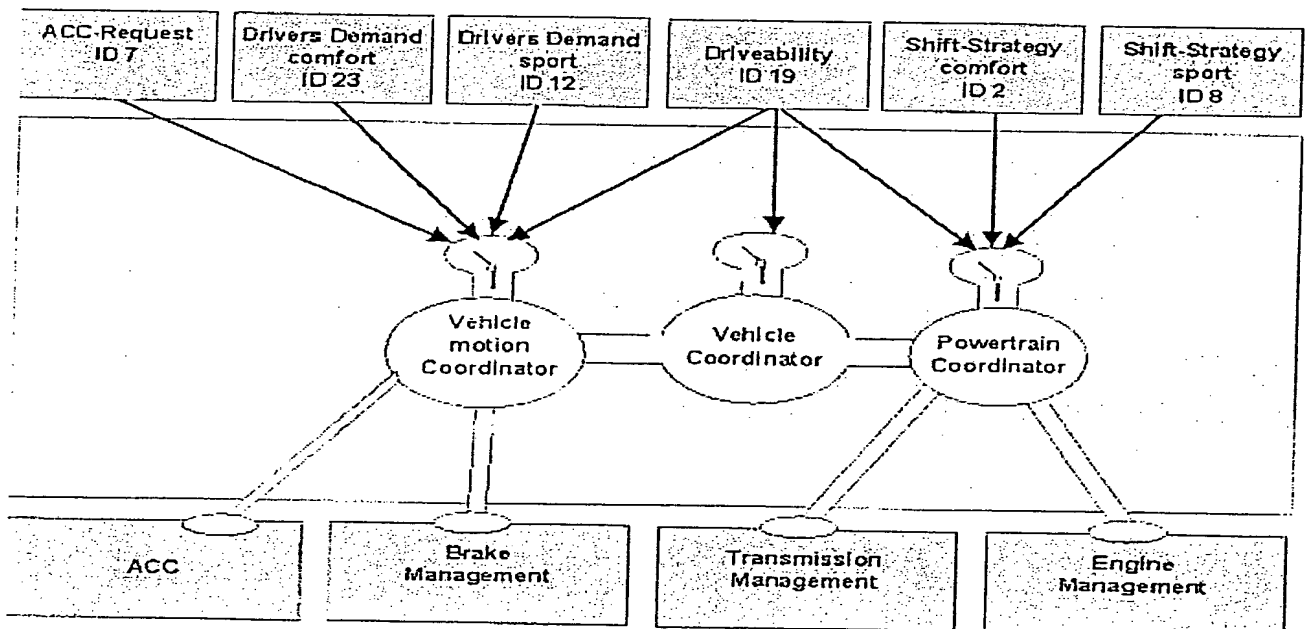


Fig. 7

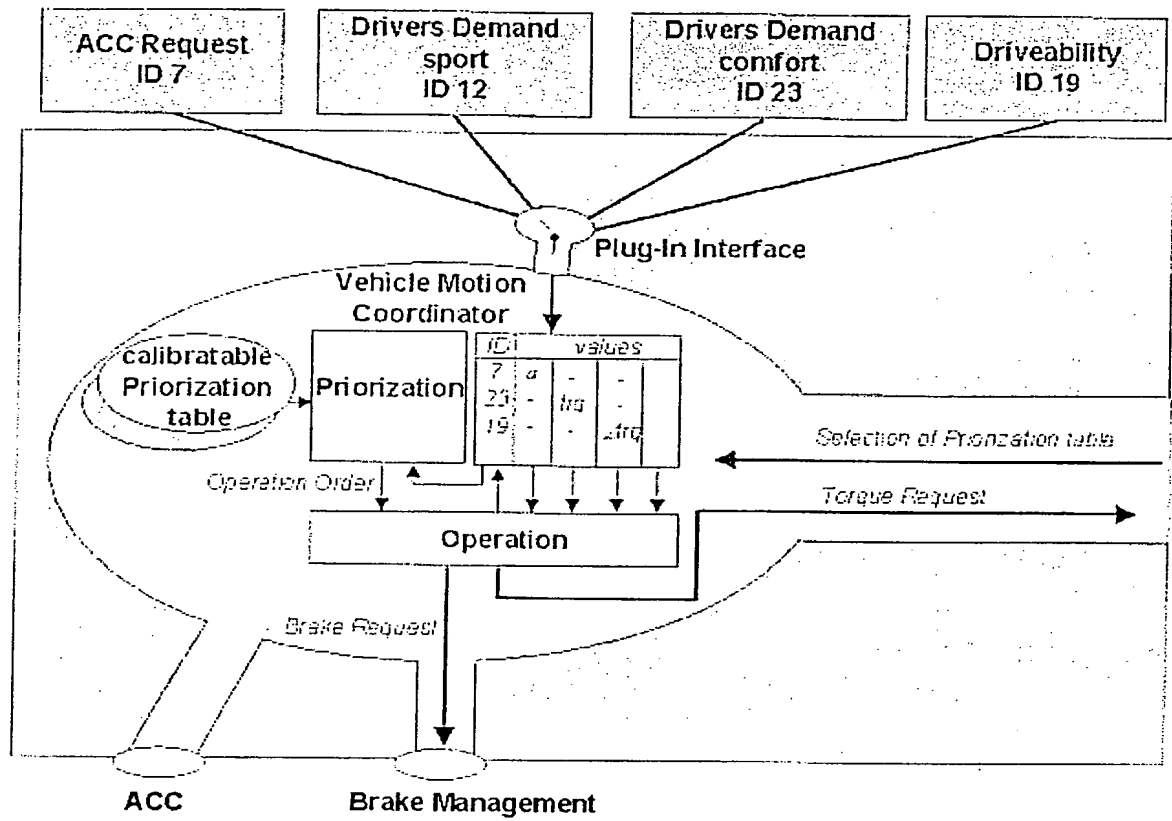


Fig. 8

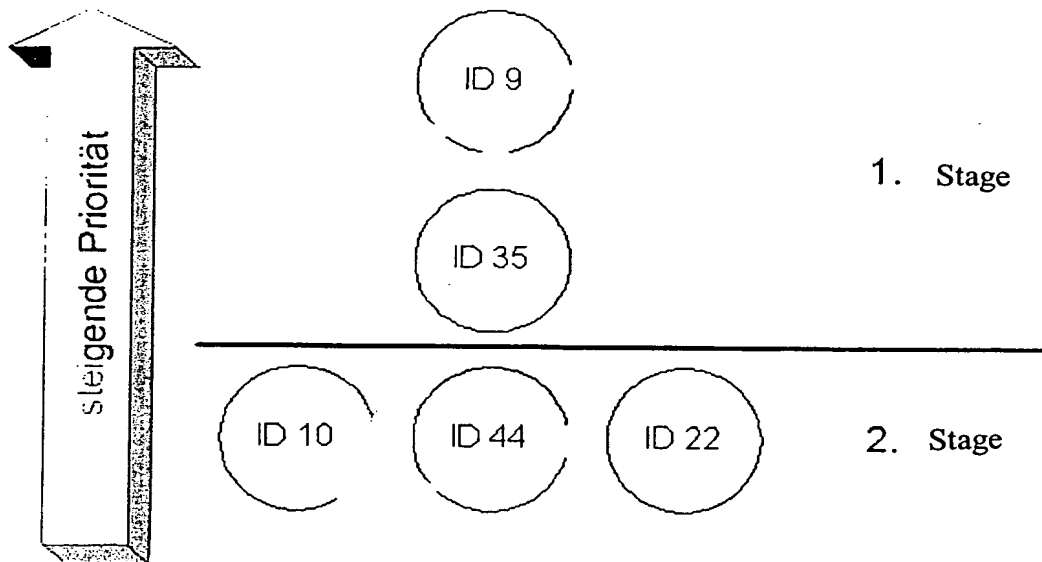


Fig. 9

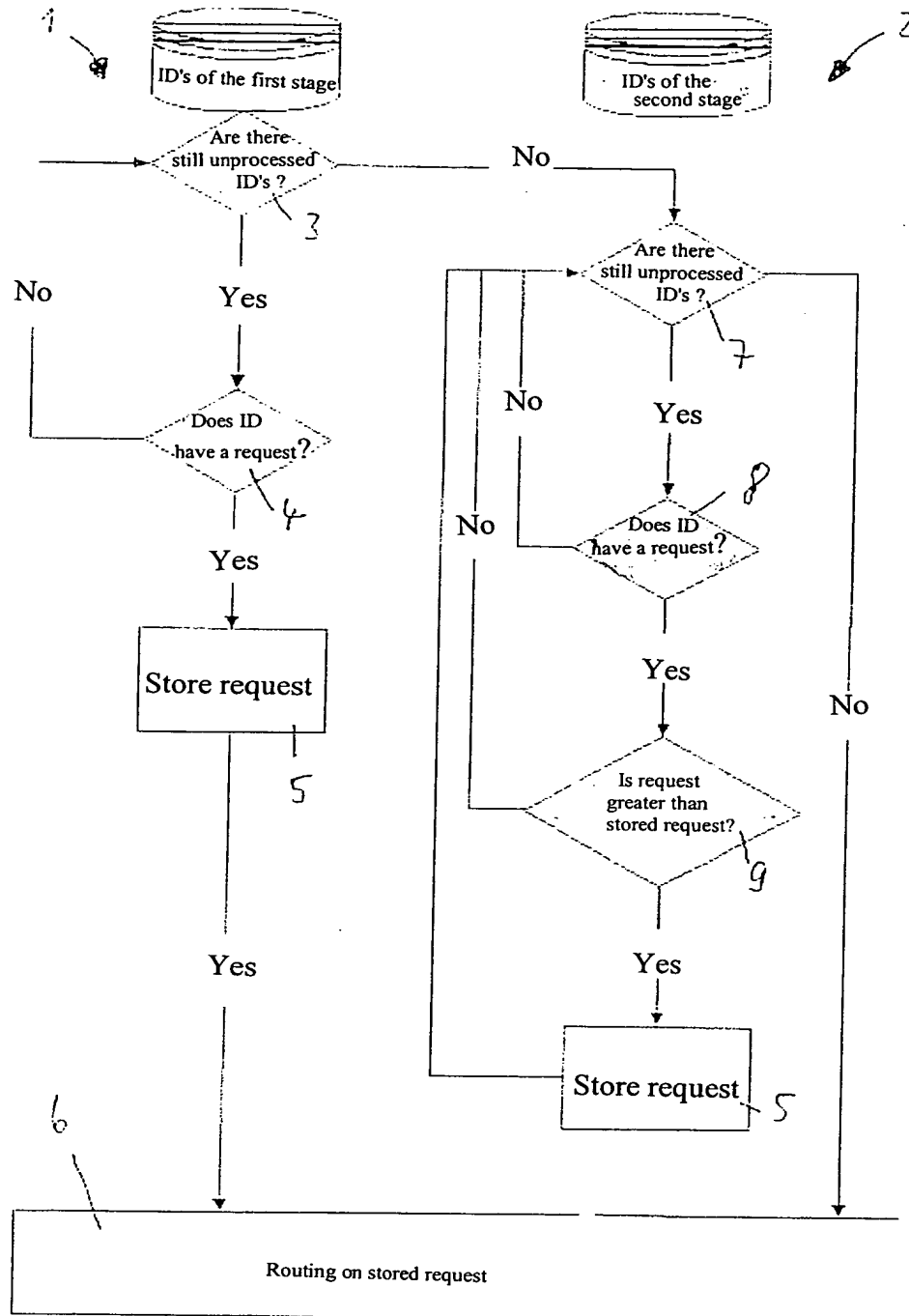


Fig. 10

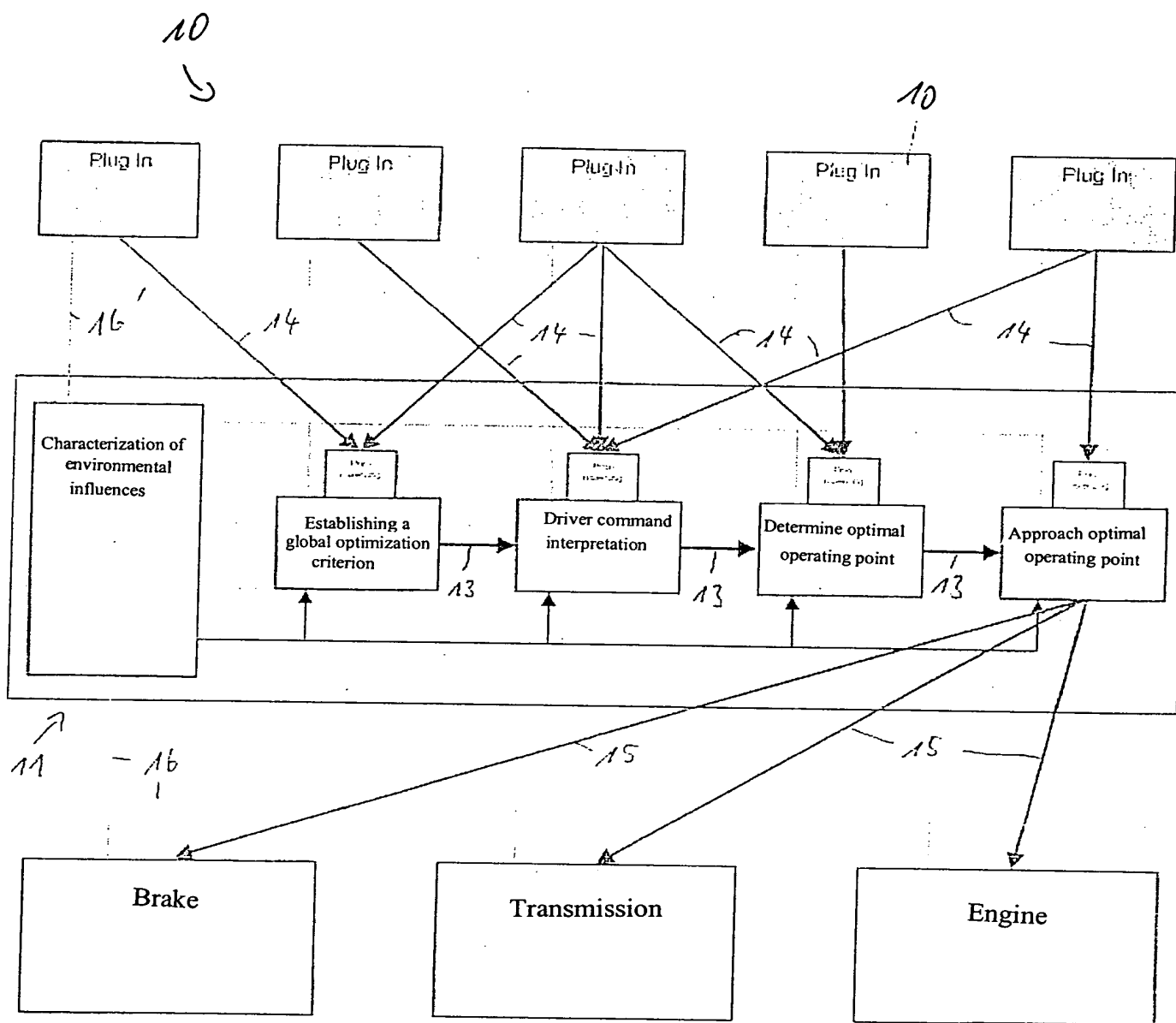


Fig. 11

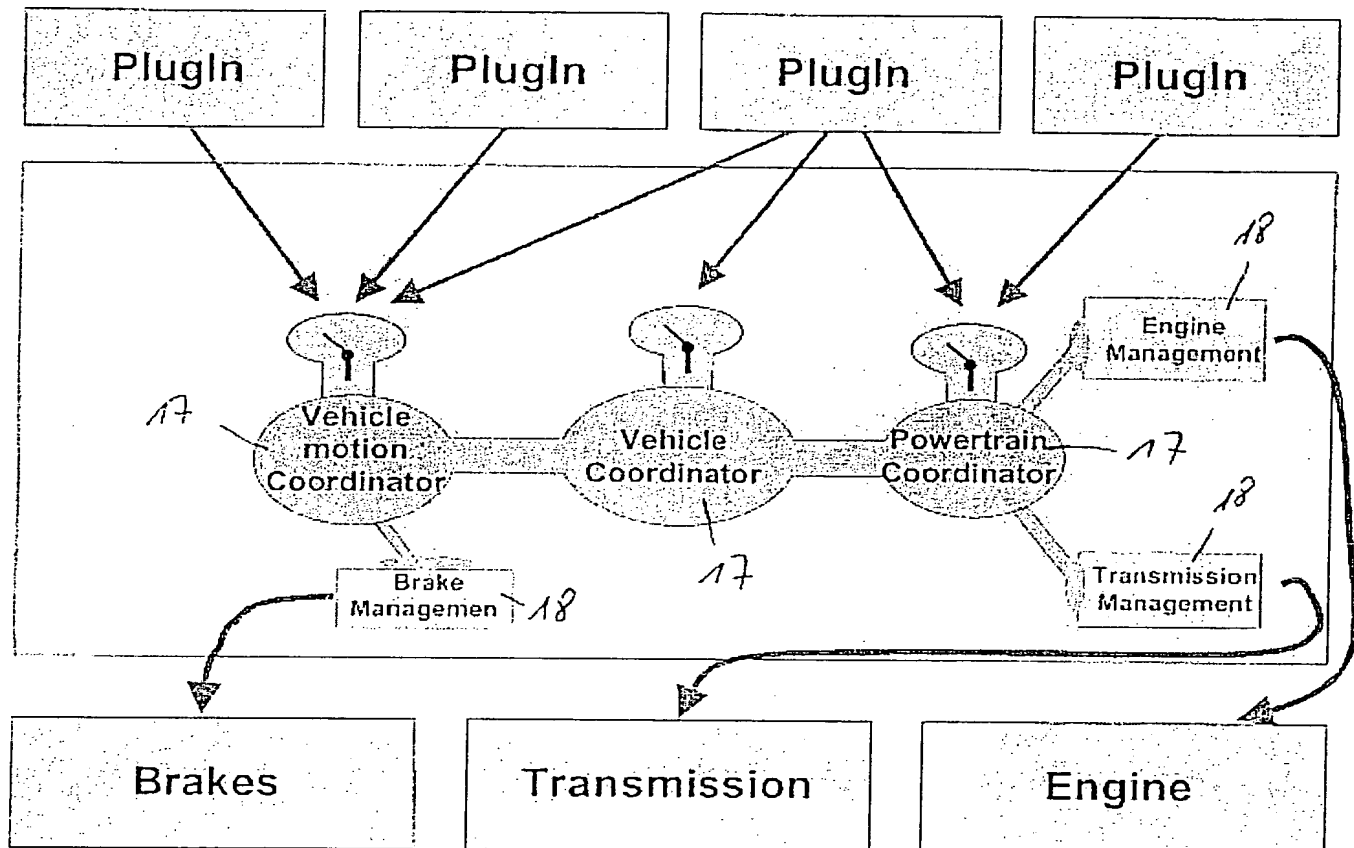


Fig. 12



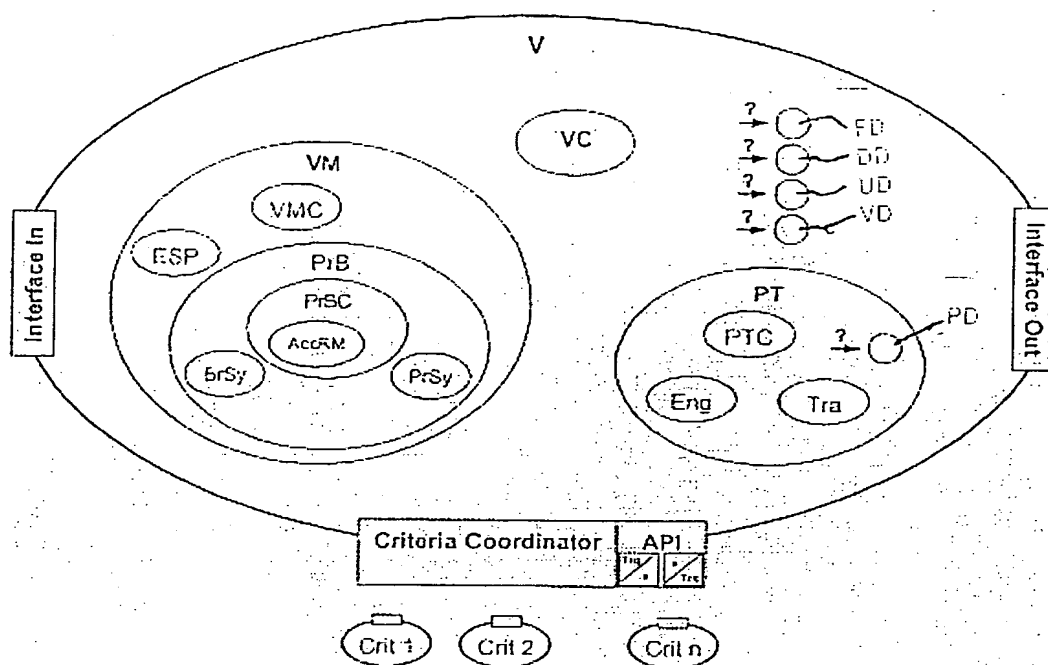


Fig. 13

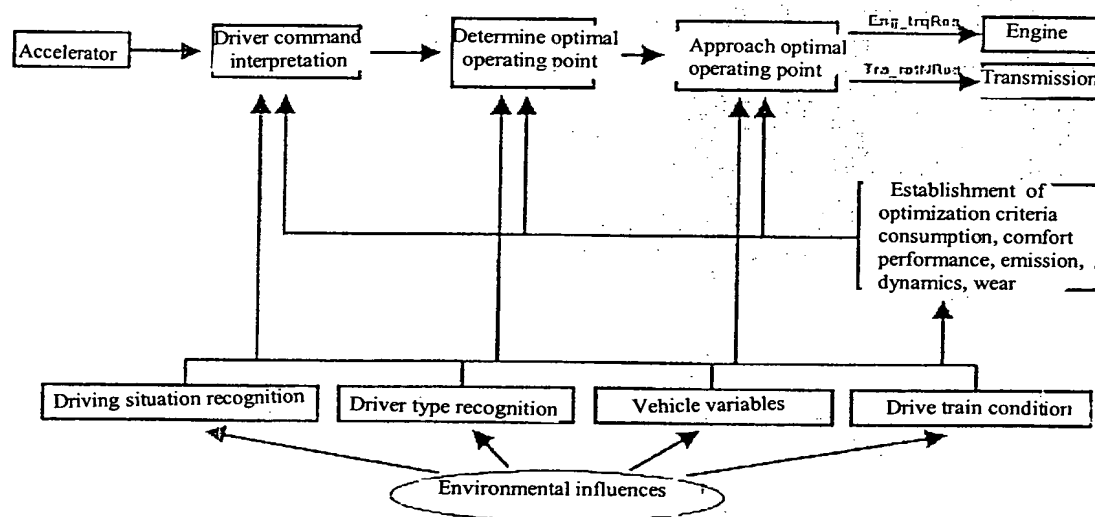


Fig. 14

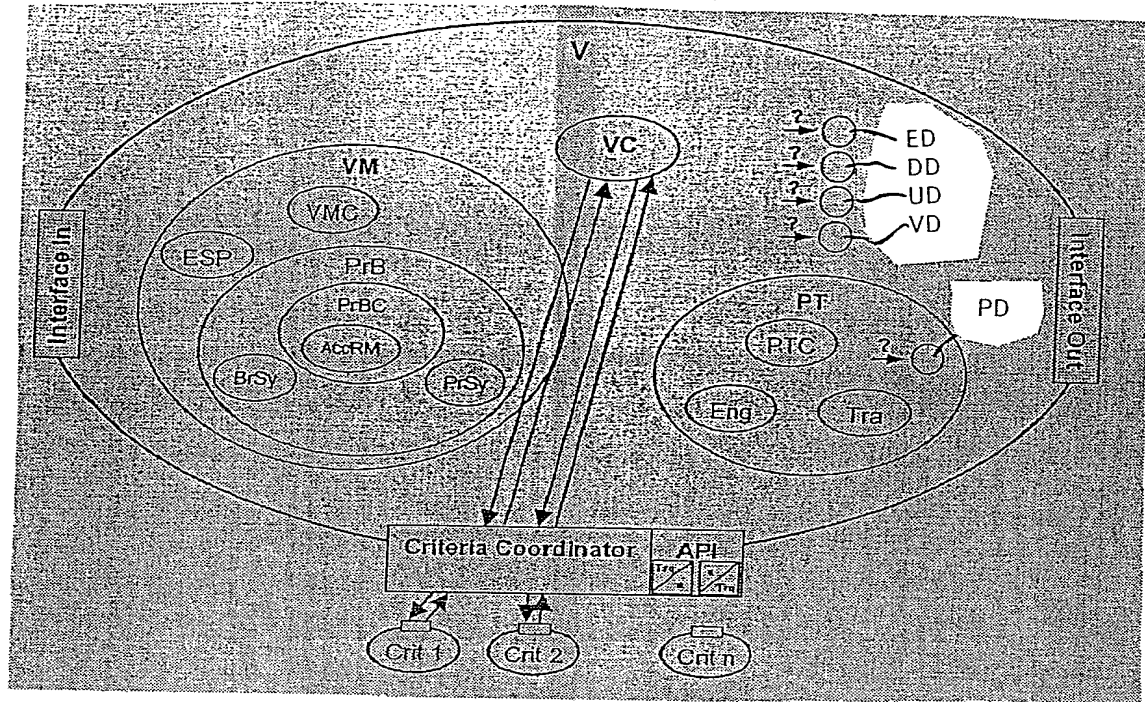


Fig. 15

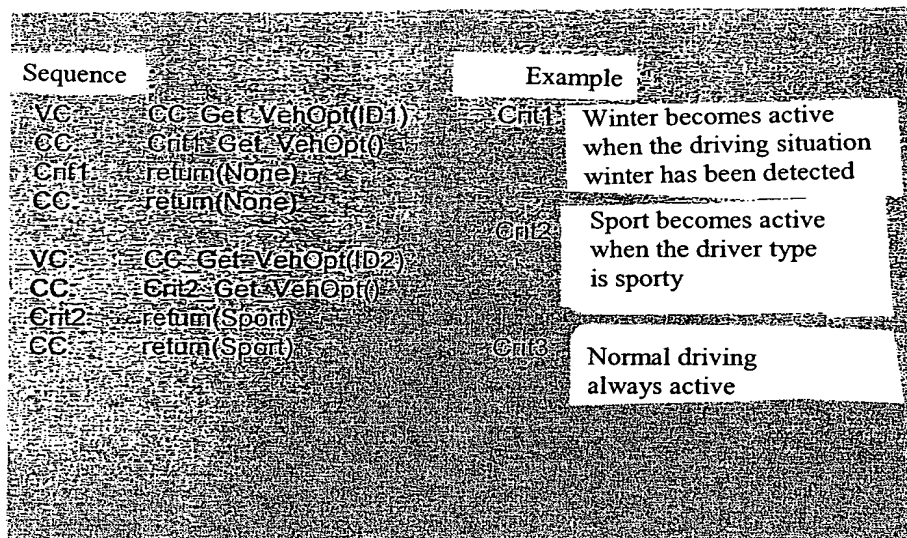


Fig. 16

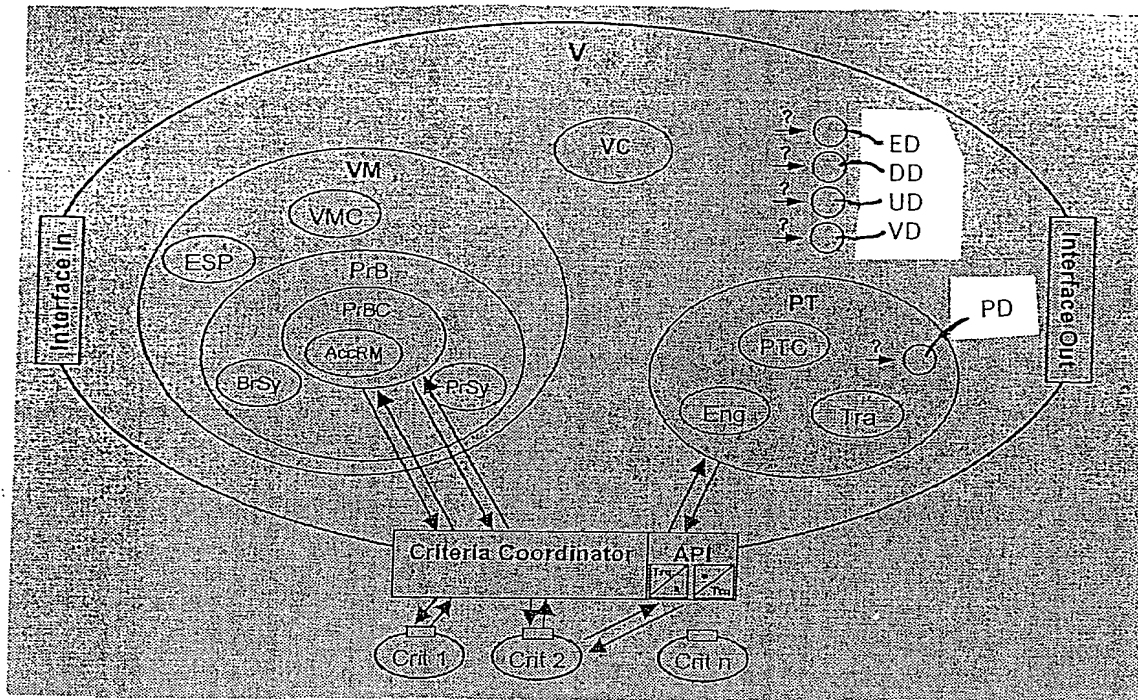


Fig. 17

Sequence	Example
PrBC: CC: Get_DriveProp(ID1)	Crit1: FGR requests setpoint acceleration when FGR is active
CC: Crit1: Get_DriveProp()	
Crit1: return(1.1 m/s <sup>2</sup> )	
CC: return(1.1 m/s <sup>2</sup> )	
PrBC: AccRM: Calc(1.1 m/s <sup>2</sup> )	Crit2: Acceleration pedal, accelerator pedal interpretation as acceleration
AccRM: return(160 Nm, 0 m/s <sup>2</sup> )	
PrBC: CC: Get_DriveProp(ID2)	Crit3: Standard, accelerator interpretation as torque
CC: Crit2: Get_DriveProp()	
Crit2: API: Get_Trc(1.2 m/s <sup>2</sup> )	
API: PT: Get_Trc(1.2 m/s <sup>2</sup> )	
PT: return(170 Nm)	
API: return(170 Nm)	
Crit2: return(170 Nm, 0 m/s <sup>2</sup> )	
CC: return(170 Nm, 0 m/s <sup>2</sup> )	

Fig. 18

Interface :

Call- up: Crit\_Get\_DriveProp()  
Return: Total acceleration  $a_{sum}$  or propulsion torque  $M_{propulsion}$  and braking acceleration  $a_{brake}$  and in addition request type

- 0 = Inactive, no request
- 1 = Request is made up of  $M_{propulsion}$  and  $a_{brake}$
- 2 = Request is  $a_{sum}$

Fig. 19

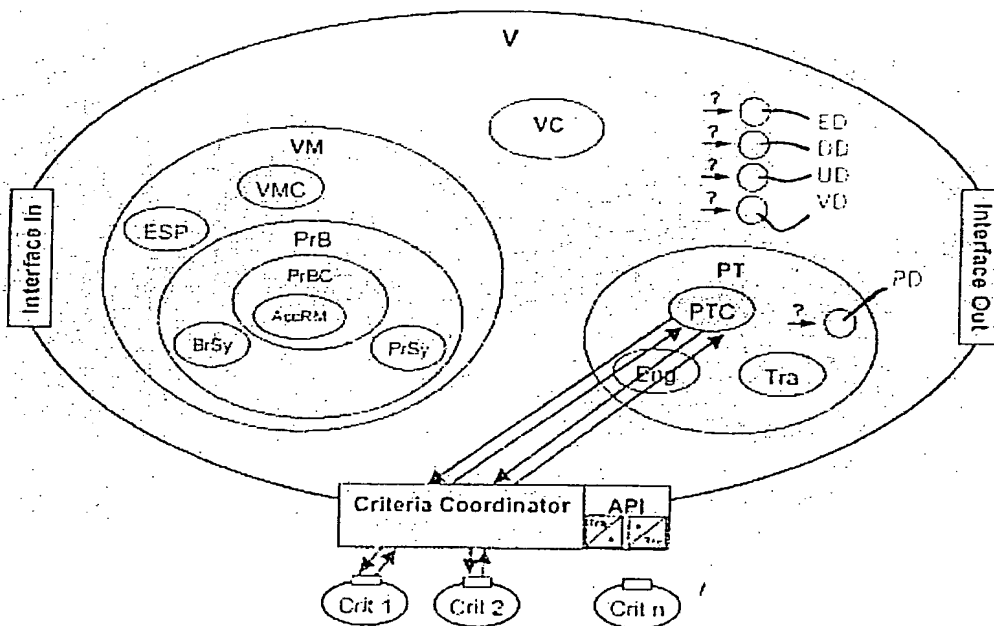


Fig. 20

**Sequence :**

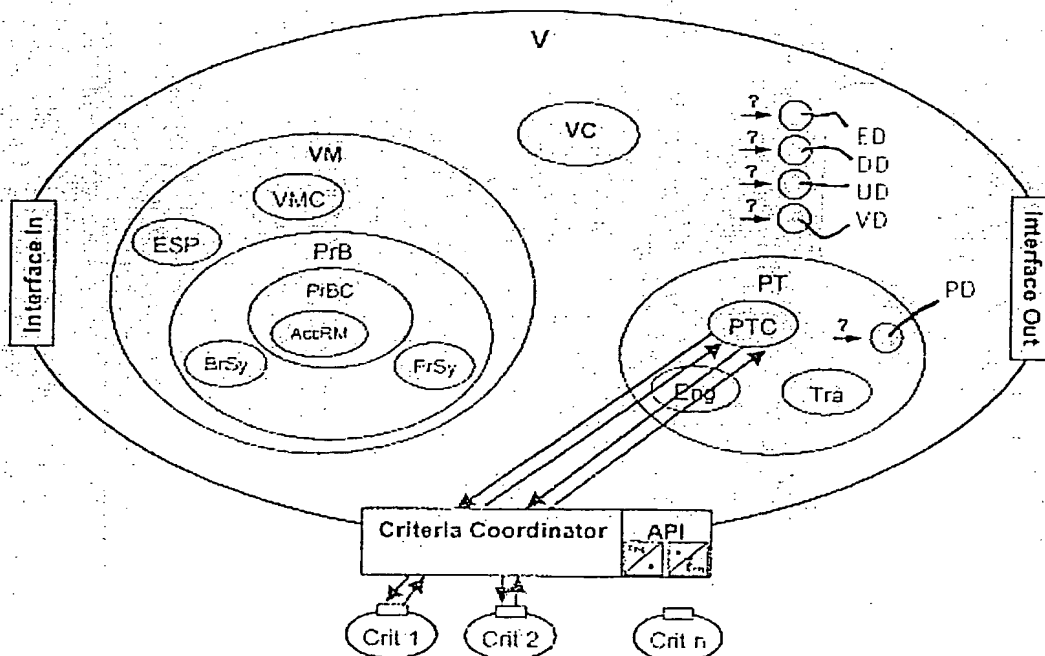
PTC: CC\_Get\_OpPointProp(ID1, 180 Nm)  
CC: Crit1\_Get\_OpPointProp(150 Nm)  
Crit1: return(None)  
CC: return(None)

PTC: CC\_Get\_OpPointProp(ID2, 180 Nm)  
CC: Crit2\_Get\_OpPointProp(180 Nm)  
Crit2: return(120 Nm, 0.665)  
CC: return(120 Nm, 0.665)

**Example :**

- Crit1: Sport requests an operating point having a high torques reserve  
Crit2: Hill requests an operating point having higher rotary engine speed when the driving situation is active  
Crit3: Eco requests a particularly fuel-saving operating point

**Fig. 21**



**Fig. 22**

**Sequence :**

PTC: CC\_Get\_OpPointGrad(ID1)  
CC: Crit1\_Get\_OpPointGrad()  
Crit1: return(None)  
CC: return(None)

PTC: CC\_Get\_OpPointGrad(ID2)  
CC: Crit2\_Get\_OpPointGrad()  
Crit2: return(None)  
CC: return(None)

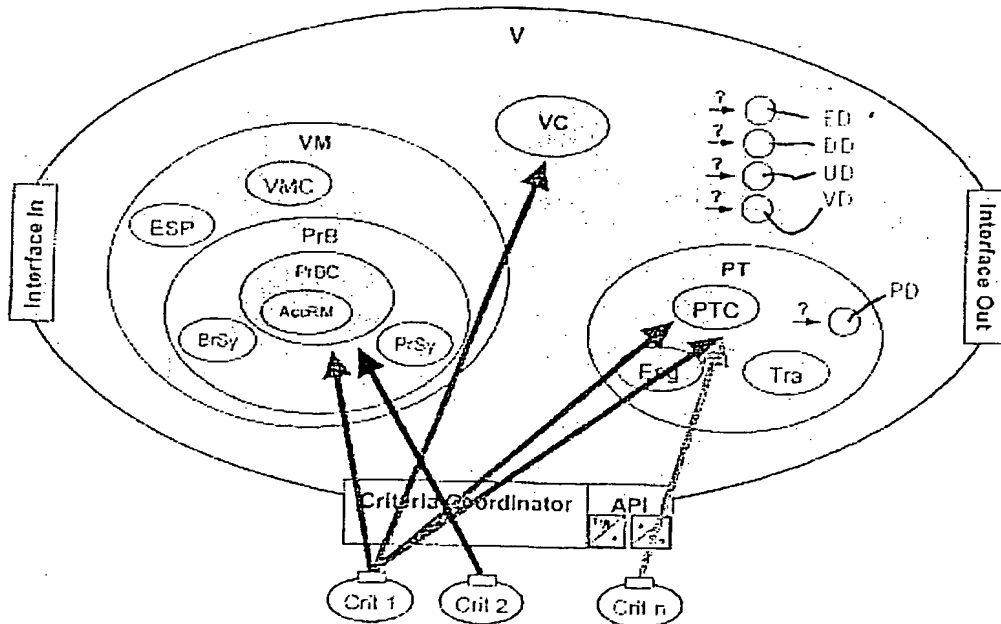
**Example :**

**Crit1:** Curve, prevents a change in the drive train condition in borderline situations

**Crit2:** Winter, prevents rapid wheel torque discontinuities on a slippery roadway

**Crit3:** Downhill, prevents too great transmission ratios for utilization of engine-draw torque

**Fig. 23**



**Fig. 24**

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